

## Anti-SARS-CoV-2 (2019-nCoV) Spike S1 Antibody (3Z498)

### Product Details

Ig Type:	IgG1
Reactivity:	SARS-CoV-2
Molecular Weight:	Theoretical: 140 kDa. Actual: 140 kDa.
Clone:	3Z498
Purification:	Protein A purified

### Applications

#### 1. Sample:

Lane 1: SARS-CoV-2 S1 Protein (E484Q, L452R, D614G, P681R) at 500 ng

Lane 2: SARS-CoV-2 S1 Protein (L18F, T20 n, P26S, D138Y, R190S, K417T, E48 4 k, N501Y, D614G, H655Y) at 500 ng

Primary: Mouse Anti-SARS-CoV-2 Spike S1 Protein Antibody at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 77 kD

Observed band size: kD

#### 2. Sample:

Lane 1: SARS-CoV-2 Spike RBD Protein (WT) at 500 ng

Lane 2: SARS-CoV-2 Spike S1 Protein (E484Q, L452R, D614G, P681R) at 500 ng

Lane 3: SARS-CoV-2 Spike S1 Protein (D80A, D215G, del241/243, K417N, E48 4 k, N501Y, D614G) at 500 ng

Lane 4: SARS-CoV-2 Spike S1 Protein (L18F, T20 n, P26S, D138Y, R190S, K417T, E48 4 k, N501Y, D614G, H655Y) at 500 ng

Lane 5: SARS-CoV-2 Spike S1 Protein (WT) at 500 ng

Primary: Anti-SARS-CoV-2 Spike S1 Protein at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 27 kDa / 77.2 kDa

Observed band size: 35 kDa / 114 kDa

#### 3. Sample:

Lane 1: SARS-CoV-2 S1 Protein (E484Q, L452R, D614G, P681R) at 500 ng

Lane 2: SARS-CoV-2 S1 Protein (D80A, D215G, Del241/243, K417N, E48 4 k, N501Y, D614G) at 1.5 ng

Lane 3: SARS-CoV-2 S1 Protein (L18F, T20 n, P26S, D138Y, R190S, K417T, E48 4 k, N501Y, D614G, H655Y) at 500 ng

Lane 4: SARS-CoV-2 S1 Protein (His-Avi, HEK293) at 500 ng

Primary: Mouse Anti-SARS-CoV-2 Spike S1 Protein Antibody at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 78 kD

Observed band size: kD

#### 4. Sample:

Lane 1: SARS-CoV-2 S1 Protein (His-Avi, HEK293) at 500 ng

Primary: Mouse Anti-SARS-CoV-2 Spike S1 Protein Antibody at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 78 kD

Verified Activity:

## A DRUG SCREENING EXPERT

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Observed band size: kD

Application: WB

Recommended WB: 1:500-2000

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### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: Recombinant Protein: SARS-CoV-2 Spike S1 Protein

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### Research Background

The SARS-CoV-2 spike (S) protein is the target of vaccine design efforts to end the COVID-19 pandemic. Despite a low mutation rate, isolates with the D614G substitution in the S protein appeared early during the pandemic, and are now the dominant form worldwide. Here, we analyze the D614G mutation in the context of a soluble S ectodomain construct.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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